

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
30 October 2003 (30.10.2003)

PCT

(10) International Publication Number  
**WO 03/089002 A1**

(51) International Patent Classification<sup>7</sup>: **A61K 45/00**,  
45/06, 38/04, 38/16, 39/395, A61P 15/00, A61K 9/00

(21) International Application Number: PCT/GB03/01536

(22) International Filing Date: 10 April 2003 (10.04.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0208785.6 17 April 2002 (17.04.2002) GB  
0208783.1 17 April 2002 (17.04.2002) GB

(71) Applicant (for all designated States except US): **MEDICAL RESEARCH COUNCIL** [GB/GB]; 20 Park Crescent, London W1B 1AL (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **JABBOUR, Henry, Nicolas** [AU/GB]; MRC Human Reproductive Sciences

Unit, Centre for Reproductive Biology, The University of Edinburgh Academic Centre, 49 Little France Crescent, Old Dalkeith Road, Edinburgh EH16 4SB (GB). **CRITCHLEY, Hilary, Octavia, Dawn** [GB/GB]; Department of Obstetrics and Gynecology, University of Edinburgh, Centre for Reproductive Biology, Edinburgh EH3 9ET (GB).

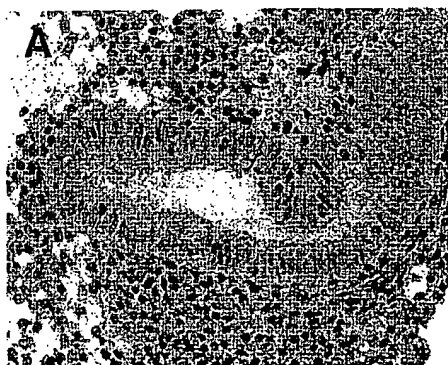
(74) Agent: **MILES, John, S.**; Eric Potter Clarkson, Park View House, 58 The Ropewalk, Nottingham NG1 5DD (GB).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

[Continued on next page]

(54) Title: **FP RECEPTOR ANTAGONISTS OR PGF<sub>2</sub> ALPHA ANTAGONISTS FOR TREATING MENORRHAGIA**



(57) Abstract: A method of treating or preventing menorrhagia in an female individual the method comprising administering to the individual at least one agent that prevents PGF<sub>2α</sub> having its effect on the FP receptor. Optionally, an inhibitor of PGES and/or an antagonist of EP2 or EP4 is also administered.

WO 03/089002 A1

BEST AVAILABLE COPY